

**PATENT**

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Reissue Application of: Park, Melvin A.

Serial No.: 09/432,984

Group Art Unit: 2881

Filed: November 2, 1999

Examiner: J. Berman

For: MULTIDEFLECTOR

Atty. Doc. No.: 140-032

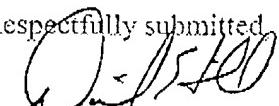
Honorable Commissioner for Patents  
P.O. Box 1450  
Arlington, VA 22313-1450

**LETTER**

SIR:

It has come to our attention that applicant's surrender of the original U.S. Letters Patent No. 5,696,375 has been lost. This letter confirms that on March 25, 2003 applicant did surrender the original U.S. Patent No. 5,696,375 in a mailing to the Patent Office via Express Mail. A copy of this submission is attached along with a copy of the return receipt postcard indicating receipt by the Patent Office of applicant's March 25, 2003 submission. If there are any questions, please contact the undersigned attorney of record.

Respectfully submitted,



David M. Hill  
Reg. No. 46,170  
WARD & OLIVO  
708 Third Avenue  
New York, New York 10017  
(212) 697-6262

**PATENT**

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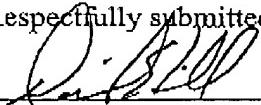
Honorable Commissioner of Patents and Trademarks  
Washington, D.C. 20231**TRANSMITTAL**

SIR:

Submitted herewith is:

1. Surrender of Original U.S. Letters Patent No. 5,696,375.

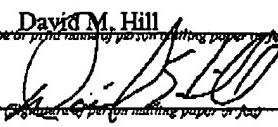
Respectfully submitted,

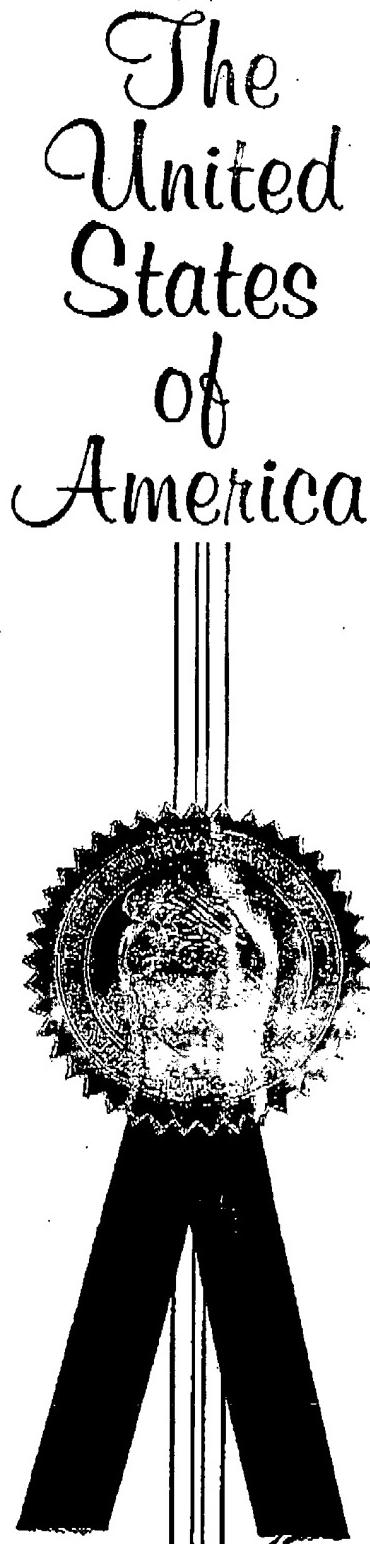
  
\_\_\_\_\_  
David M. Hill  
Reg. No. 46,170  
WARD & OLIVO  
708 Third Avenue  
New York, New York 10017  
(212) 697-6262

Date: March 25, 2003

**EXPRESS MAIL CERTIFICATION**

"Express Mail" mailing label number ET547828915US Date of deposit: March 25, 2003. I hereby certify that this paper or fee is being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 CFR §1.10 on the date indicated above and is addressed to the Commissioner for Patents and Trademarks, Box After Final, Washington, DC 20231

  
\_\_\_\_\_  
David M. Hill  
\_\_\_\_\_  
Type or print name of person signing paper or fee



The Commissioner of  
Patents and Trademarks

Has received an application for a patent for a new and useful invention. The title and description of the invention are enclosed. The requirements of law have been complied with, and it has been determined that a patent on the invention shall be granted under the law.

Therefore, this

United States Patent

Grants to the person(s) having title to this patent the right to exclude others from making, using, offering for sale, or selling the invention throughout the United States of America or importing the invention into the United States of America for the term set forth below, subject to the payment of maintenance fees as provided by law.

If this application was filed prior to June 8, 1995, the term of this patent is the longer of seventeen years from the date of grant of this patent or twenty years from the earliest effective U.S. filing date of the application, subject to any statutory extension.

As filed, the term of this patent is !  
the filing date, subject to any statutory extension. If the application contains a specific reference to an earlier filed application or applications under 35 U.S.C. 120, 121 or 365(c), the term of the patent is twenty years from the date on which the earliest application was filed, subject to any statutory extension.

Bruce Lehman  
Commissioner of Patents and Trademarks

Melvinia Gary  
Attest

## NOTICE

*If the application for this patent was filed on or after December 12, 1980, maintenance fees are due three years and six months, seven years and six months, and eleven years and six months after the date of this grant, or within a grace period of six months thereafter upon payment of a surcharge as provided by law. The amount, number and timing of the maintenance fees required may be changed by law or regulation. Unless payment of the applicable maintenance fee is received in the Patent and Trademark Office on or before the date the fee is due or within a grace period of six months thereafter, the patent will expire as of the end of such grace period.*



US005696375A

**United States Patent [19]****Park et al.**

[11] Patent Number: **5,696,375**  
 [45] Date of Patent: **Dec. 9, 1997**

[54] MULTIDEFLECTOR

5,696,375 30893 Pateman .....

[75] Inventors: **Melvin Park, Nashua, N.H.; Claus Köster, Lilienthal, Germany**

Primary Examiner—Jack L. Berman

[73] Assignee: **Brinker Analytical Instruments, Inc., Billerica, Mass.**

Attorney, Agent, or Firm—Ward &amp; Olivo

[21] Appl. No.: **560,396**[57] **ABSTRACT**[22] Filed: **Nov. 17, 1995**

A method and apparatus to direct ions away from their otherwise intended or parallel course. Deflectors are used to establish electric fields in regions through which ions are to pass. With such electric fields, ions may be deflected to a desired trajectory. According to the present invention, a multideflector, in the form of a series of bipolar plates spaced evenly across the ion beam path, is used as an ion deflector.

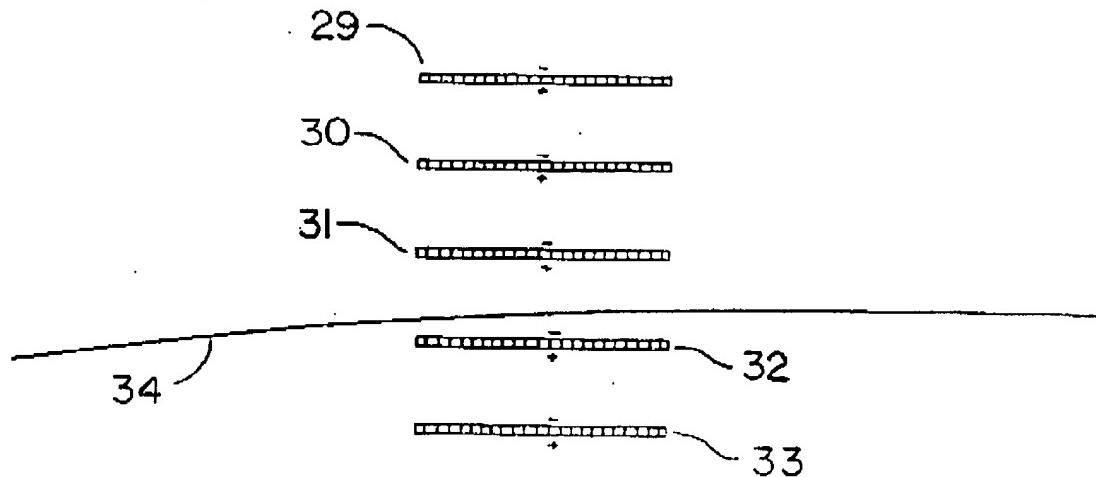
[51] Int. CL<sup>6</sup> ..... H01J 49/40; H01J 49/28  
 [52] U.S. CL ..... 250/287; 250/294  
 [58] Field of Search ..... 250/287, 294

## [56] References Cited

## U.S. PATENT DOCUMENTS

5,117,107 5/1992 Guilhaus et al. ..... 250/287

22 Claims, 14 Drawing Sheets



ET 547828915 US

In re application of: Melvin A. Park  
Serial No.: 09/432,984  
Filing Date: November 2, 1999  
For: MULTIDEFLECTOR

Submitted:

1. Transmittal; and
2. Surrender of Original U.S. Letters Patent No. 5,696,375.

Atty. Doc. No.: 140-032

Dated: March 25, 2003

In re application of: Melvin A. Park  
Serial No.: 09/432,984  
Filing Date: November 2, 1999  
For: MULTIDELECTOR

Submitted:

1. Transmittal; and
2. Surrender of Original U.S. Letters Patent No. 5, 696,375.

Atty. Doc. No.: 140-032

Dated: March 25, 2003



**FACSIMILE TRANSMISSION COVER SHEET****TO**Name ATTN.: BOX AFTER FINALTitle **FAX RECEIVED**Dept. AUG 01 2003Company or Firm United States Patent & Trademark OfficeAddress TECHNOLOGY CENTER 2800Facsimile Tel. # (703) 872-9319**FROM****WARD & OLIVO**

708 Third Avenue  
New York, New York 10017  
Telephone: (212) 697-6262  
Facsimile: (212) 972-5866

Name of Sender David M. HillDate August 1, 2003 Pages (including this page) Nine (9)Client 140-032 File # 

If there is a problem with this transmittal, please telephone us at (212) 697-6262.

**COMMENTS**

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P.O. Box 1450  
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Attn.: AFTER FINAL

**TRANSMITTAL**

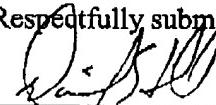
SIR:

Submitted herewith is:

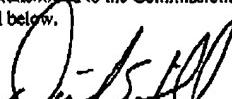
1. Letter, including copy of previous submission regarding surrender of Original U.S. Letters Patent No. 5,696,375 and return receipt postcard.

Date: August 1, 2003

Respectfully submitted,

  
\_\_\_\_\_  
David M. Hill  
Reg. No. 46,170  
WARD & OLIVO  
708 Third Avenue  
New York, New York 10017  
(212) 697-6262**CERTIFICATE OF TRANSMISSION**

I hereby certify that this correspondence is being transmitted to the Commissioner for Patents, P.O. Box 1450, Arlington, Virginia 22313-1450 via facsimile to (703) 872-9319, on the date indicated below.

  
\_\_\_\_\_  
David M. Hill  
(Name)

(Signature)

46,170 8/1/03  
(Reg. No.) (Date)